IN THE CLAIMS

Please amend the claims as follows:

1. (currently amended) A ~~data logging~~ method for transferring log data to a server over a wireless network from a plurality of remote devices, ~~said server for receiving log data from the plurality of said remote devices,~~ said method comprising ~~the following steps~~:

~~scheduling a transfer period for transferring log data from a remote device to the server taking into account a wireless network signal strength of the remote device for the scheduled transfer period whereby the scheduled transfer period does not overlap a time when an estimated wireless network strength is too low to transfer the log data;~~

~~transferring the log data determined by its respective scheduled transfer period;~~

constructing a transfer plan for each of said remote devices by allocating a transfer period to each of said remote device according to the amount of data expected to be transferred to said server;

selecting an entry within said transfer plan for one ~~device from the plurality~~ of said remote devices having an imminent transfer period;

acquiring ~~providing~~ an actual transfer size for log data to be transferred from ~~the~~ said selected one remote device;

determining ~~calculating~~, for ~~the~~ said selected one remote device, a transfer period including a start time and an end time to transfer ~~the~~ said log data to ~~the~~ said server based on said actual transfer size~~, the calculation using the provided transfer size and using transfer periods of other devices if known~~;

acquiring ~~estimating~~, for ~~the~~ said selected one remote device, an actual wireless network signal strength ~~data for the calculated~~ for said transfer period;

determining whether or not said actual ~~repeating, for the selected device, the calculating and estimating steps if the calculated transfer period overlaps a period of time where the estimated~~ wireless network signal strength is below a predetermined threshold;

in response to a determination that said actual wireless network signal strength is not below a predetermined threshold, transferring said log data from said selected one remote device to said server ~~storing the calculated transfer period in a schedule~~;

in response to a determination that said actual wireless network signal strength is below said predetermined threshold, aborting said transfer of log data from said selected one remote device to said server ~~acquiring an actual transfer size for a first device before transferring the data;~~

~~recalculating the transfer period for the first device; and~~

~~recalculating the transfer periods of the other devices if the recalculated transfer period of the first device effects the transfer periods of the other devices~~.

2. (currently amended) The method of Claim 1, wherein~~, calculating the transfer period, comprises calculating the transfer period using the server transfer capacity~~ said aborting further includes

determining a new transfer period for said selected one remote device; and

updating said selected entry within said transfer plan for said selected one remote device with said new transfer period.

3. (currently amended) The method of Claim 1, wherein said constructing further includes

selecting one of said remote devices;

acquiring an estimated transfer size for log data to be transferred from said selected remote device;

determining, for said selected remote device, a transfer period for transferring log data to said server based on said estimated transfer size and availability of download bandwidth of said server;

estimating, for said selected remote device, wireless network signal strength during said determined transfer period; and

storing said determined transfer period in said transfer plan if said estimated wireless network signal strength is not below a predetermined threshold. ~~estimating comprises estimating using historical server transfer capacity data from a similar time period~~.

4. (currently amended) The method of Claim ~~1~~ 3, wherein said storing further includes determining, for said selected remote device, a new transfer period for transferring log data to said server based on said estimated transfer size and availability of download bandwidth of said server if said estimated wireless network signal strength is below said predetermined threshold ~~comprising calculating, for the selected device, a second transfer period so that the data may be downloaded~~.

5. (currently amended) The method of Claim ~~1~~ 3, wherein said acquiring further includes acquiring said estimated transfer size for log data to be transferred from a profile data stored within said selected remote device ~~further comprising alerting the server of, from the device, the actual transfer size before or during the transfer~~.

6. (currently amended) The method of Claim ~~1~~ 5, wherein said profile data includes a connectivity profile and a download profile ~~further comprising storing, at the server, associated wireless network signal strength for clients with respect to time~~.

7. (currently amended) The method of Claim 1, wherein said method further includes updating said transfer plan based on actual network usage and bandwidth forecast information ~~comprising estimating, at the server, a future wireless network signal strength for a particular client based on a signal strength at a previous time~~.

8-16. canceled

17. (new) A computer storage medium having a computer program product for transferring log data to a server over a wireless network from a plurality of remote devices, said computer storage medium comprising:

program code for constructing a transfer plan for each of said remote devices by allocating a transfer period to each of said remote device according to the amount of data expected to be transferred to said server;

program code for selecting an entry within said transfer plan for one of said remote devices having an imminent transfer period;

program code for acquiring an actual transfer size for log data to be transferred from said selected one remote device;

program code for determining, for said selected one remote device, a transfer period including a start time and an end time to transfer said log data to said server based on said actual transfer size;

program code for acquiring, for said selected one remote device, an actual wireless network signal strength for said transfer period;

program code for determining whether or not said actual wireless network signal strength is below a predetermined threshold;

program code for, in response to a determination that said actual wireless network signal strength is not below a predetermined threshold, transferring said log data from said selected one remote device to said server;

program code for, in response to a determination that said actual wireless network signal strength is below said predetermined threshold, aborting said transfer of log data from said selected one remote device to said server.

18. (new) The computer storage medium of Claim 17, wherein said aborting further includes

program code for determining a new transfer period for said selected one remote device; and

program code for updating said selected entry within said transfer plan for said selected one remote device with said new transfer period.

19. (new) The computer storage medium of Claim 17, wherein said constructing further includes

program code for selecting one of said remote devices;

program code for acquiring an estimated transfer size for log data to be transferred from said selected remote device;

program code for determining, for said selected remote device, a transfer period for transferring log data to said server based on said estimated transfer size and availability of download bandwidth of said server;

program code for estimating, for said selected remote device, wireless network signal strength during said determined transfer period; and

program code for storing said determined transfer period in said transfer plan if said estimated wireless network signal strength is not below a predetermined threshold..

20. (new) The computer storage medium of Claim 19, wherein said storing further includes determining, for said selected remote device, a new transfer period for transferring log data to said server based on said estimated transfer size and availability of download bandwidth of said server if said estimated wireless network signal strength is below said predetermined threshold.

21. (new) The computer storage medium of Claim 19, wherein said program code for acquiring further includes program code for acquiring said estimated transfer size for log data to be transferred from a profile data stored within said selected remote device.

22. (new) The computer storage medium of Claim 21, wherein said profile data includes a connectivity profile and a download profile.

23. (new) The computer storage medium of Claim 17, wherein said computer storage medium further includes program code for updating said transfer plan based on actual network usage and bandwidth forecast information.

24. (new) A server for receiving data from a plurality of remote devices over a wireless network, said server comprising:

means for constructing a transfer plan for each of said remote devices by allocating a transfer period to each of said remote device according to the amount of data expected to be transferred to said server;

means for selecting an entry within said transfer plan for one of said remote devices having an imminent transfer period;

means for acquiring an actual transfer size for log data to be transferred from said selected one remote device;

means for determining, for said selected one remote device, a transfer period including a start time and an end time to transfer said log data to said server based on said actual transfer size;

means for acquiring, for said selected one remote device, an actual wireless network signal strength for said transfer period;

means for determining whether or not said actual wireless network signal strength is below a predetermined threshold;

means for, in response to a determination that said actual wireless network signal strength is not below a predetermined threshold, transferring said log data from said selected one remote device to said server;

means for, in response to a determination that said actual wireless network signal strength is below said predetermined threshold, aborting said transfer of log data from said selected one remote device to said server.

25. (new) The server of Claim 24, wherein said aborting further includes

means for determining a new transfer period for said selected one remote device; and

means for updating said selected entry within said transfer plan for said selected one remote device with said new transfer period.

26. (new) The server of Claim 24, wherein said constructing further includes

means for selecting one of said remote devices;

means for acquiring an estimated transfer size for log data to be transferred from said selected remote device;

means for determining, for said selected remote device, a transfer period for transferring log data to said server based on said estimated transfer size and availability of download bandwidth of said server;

means for estimating, for said selected remote device, wireless network signal strength during said determined transfer period; and

means for storing said determined transfer period in said transfer plan if said estimated wireless network signal strength is not below a predetermined threshold..

27. (new) The server of Claim 26, wherein said storing further includes determining, for said selected remote device, a new transfer period for transferring log data to said server based on said estimated transfer size and availability of download bandwidth of said server if said estimated wireless network signal strength is below said predetermined threshold.

28. (new) The server of Claim 26, wherein said means for acquiring further includes means for acquiring said estimated transfer size for log data to be transferred from a profile data stored within said selected remote device.

29. (new) The server of Claim 28, wherein said profile data includes a connectivity profile and a download profile.

30. (new) The server of Claim 24, wherein said server further includes means for updating said transfer plan based on actual network usage and bandwidth forecast information.